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D.M. Martin
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Suppl. Amend

Applicant	Michael M. Walters et al.	<p align="center"><u>SECOND</u> <u>SUPPLEMENTAL</u> <u>PRELIMINARY</u> <u>AMENDMENT</u></p>
Serial No.	10/044,479	
Filing Date	January 11, 2002	
Group Art Unit	2838	
Examiner Name	Not Assigned	
Attorney Docket No.	125.028USR1	
Title: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS		

Commissioner for Patents
Washington, D.C. 20231

Prior to initial review, please amend the above-identified reissue application as provided below:

IN THE CLAIMS

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Please rewrite the claims as provided below:

19. (Twice Amended) A method of balancing a plurality of channel currents, each of the plurality of channel currents flowing in a corresponding one of a plurality of channels in a multi-phase DC/DC converter, the DC/DC converter having an output voltage, the method comprising:

receiving a plurality of channel current signals, each of the plurality of channel current signals representative of a channel current for one of the plurality of channel currents;

averaging together the plurality of channel current signals to thereby determine one or more average channel current signals;

comparing a signal representative of the output voltage to a first reference signal to thereby determine a common error signal; and

controlling each of the channel currents based at least in part on the one or more average channel current signals, one of the plurality of channel current signals, a second reference signal and the common error signal.

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